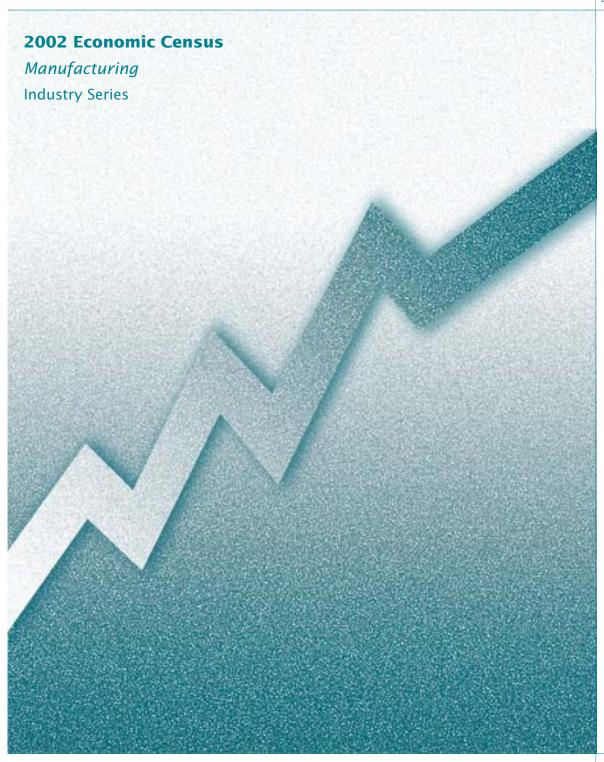
Speed Changer, Industrial High-Speed Drive, and Gear Manufacturing: 2002

Issued December 2004

EC02-311-333612 (RV)





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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹		All	All employees		Production workers				Total	Total	Total capital
	Com- panies ²	estab- lish- ments ³	Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	cost of materials (\$1,000)		expendi- tures (\$1,000)
333612, Speed changer, industrial high- speed drive, and gear manufacturing 2002 2001 2000 1999 1998 1997	209 N N N N 237	240 N N N N 268	13 227 15 540 15 477 16 011 15 784 16 182	547 167 609 530 613 614 623 525 607 540 594 251	9 189 10 986 10 944 11 381 11 013 11 231	17 588 19 876 21 034 22 773 22 373 22 744	327 107 366 424 384 842 384 362 372 552 361 273	1 261 474 1 359 507 1 511 988 1 470 266 1 511 009 1 461 859	762 303 822 225 959 281 952 342 952 404 935 938	2 036 895 2 189 914 2 476 508 2 467 531 2 442 194 2 391 269	'59 495 59 449 79 341 95 558 85 251 116 178

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

		All establishments ²		All employees		Production workers						
Industry and geographic area	E¹	Total	With 20 em- ploy- ees or more	Number ³	Payroll (\$1,000)		Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
333612, Speed changer, industrial high- speed drive, and gear manufacturing												
United States. Indiana Missouri New Jersey Pennsylvania Texas Virginia Wisconsin	5 -	240 7 12 10 10 12 3 21	123 4 7 6 7 6 3 9	13 227 1 394 671 290 267 683 342 1 854	547 167 58 762 20 410 12 515 12 480 27 712 16 585 79 000	9 189 979 543 225 187 459 142	17 588 1 885 1 053 464 375 721 313 2 156	327 107 36 983 13 002 8 512 7 787 16 445 5 415 45 821	1 261 474 137 280 57 508 30 387 25 080 56 335 36 794 145 878	80 709 46 584 19 646 15 300 52 725	2 036 895 220 851 105 685 46 388 40 389 112 679 98 908 244 424	r59 495 r7 352 r1 613 r475 r647 r4 685 r870 r7 155

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.
³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
333612, Speed changer, industrial high-speed drive, and gear manufacturing	
Companies ¹ number	209
All establishments ²	240 117 92 31
All employees³ number Total compensation \$1,000 Annual payroll \$1,000 Total fringe benefits \$1,000	13 227 704 882 547 167 157 715
Production workers, average for year	9 189 9 391 9 242 9 108 8 980
Production worker hours	17 588 327 107
Total cost of materials \$1,000. Materials, parts, containers, packaging, etc., used \$1,000. Resales \$1,000. Purchased fuels \$1,000. Purchased electricity \$1,000. Contract work \$1,000.	762 303 616 517 69 037 10 465 20 532 45 752
Quantity of electricity purchased for heat and power	389 120 -
Total value of shipments \$1,000 Primary products value of shipments \$1,000 Secondary products value of shipments \$1,000 Total miscellaneous receipts \$1,000 Value of resales \$1,000 Contract receipts \$1,000 Other miscellaneous receipts \$1,000	2 036 895 1 763 963 156 793 116 139 89 423 4 951 21 765
Primary products specialization ratio percent. Value of primary products shipments made in all industries \$1,000. Value of primary products shipments made in this industry \$1,000. Value of primary products shipments made in other industries \$1,000.	92 1 949 009 1 763 963 185 046
Coverage ratiopercent .	91
Value added\$1,000	1 261 474
Total inventories, beginning of year \$1,000. Finished goods inventories \$1,000. Work-in-process inventories \$1,000. Materials and supplies inventories \$1,000.	459 953 176 681 134 696 148 576
Total inventories, end of year \$1,000 Finished goods inventories \$1,000 Work-in-process inventories \$1,000 Materials and supplies inventories \$1,000	442 949 167 546 130 713 144 690
Gross value of depreciable assets (acquisition costs) at beginning of year \$1,000 Total capital expenditures (new and used) \$1,000 Buildings and other structures (new and used) \$1,000 Machinery and equipment (new and used) \$1,000 Automobiles, trucks, etc., for highway use \$1,000 Computers and peripheral data processing equipment \$1,000 All other expenditures for machinery and equipment \$1,000 Total retirements \$1,000 Gross value of depreciable assets at end of year \$1,000	'1 409 243 '59 495 '6 661 '52 834 '806 '2 972 '49 056 '55 233 '1 413 505
Depreciation charges during year	1 413 303
Total rental payments	31 337 11 922 19 415
Total other expenses ⁴ \$1,000. Response coverage ratio ⁵ percent. Repair and maintenance services of buildings and/or machinery ⁴ \$1,000. Communications services ⁴ \$1,000. Legal services ⁴ \$1,000. Accounting, auditing, and bookkeeping services ⁴ \$1,000. Advertising and promotional services ⁴ \$1,000. Expensed computer hardware and supplies and purchased computer services ⁴ \$1,000. Refuse removal (including hazardous waste) services ⁴ \$1,000. Management consulting and administrative services ⁴ \$1,000. Taxes and license fees ⁴ \$1,000. All other expenses ⁴ \$1,000.	141 637 75 19 505 5 236 3 858 2 825 5 721 3 235 1 864 5 695 13 129 80 568

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.
2Includes establishments with payroll at any time during the year.
3Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.
4Based on 2002 Annual Survey of Manufactures (ASM) sample data.
5A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class			All employees			oduction worke	ers		Total	ıl Total	Total capital
		All estab- lish- ments ²	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	cost of materials (\$1,000)	value of shipments (\$1,000)	expendi- tures (\$1,000)
333612, Speed changer, industrial high-speed drive, and gear manufacturing											
All establishments	1	240	13 227	547 167	9 189	17 588	327 107	1 261 474	762 303	2 036 895	r59 495
1 to 4 employees. 5 to 9 employees. 10 to 19 employees 20 to 49 employees 50 to 99 employees 100 to 249 employees 250 to 499 employees 500 to 999 employees 500 to 999 employees 1,000 to 2,499 employees 2,500 employees or more	9 9 7 2 - - - -	43 31 43 54 38 22 6 2 1	99 210 581 1 775 2 577 3 491 9 9	4 156 8 992 24 156 75 815 102 942 149 935 D D	74 164 443 1 243 1 774 2 237 D D D	142 318 873 2 438 3 430 4 262 D D D	2 776 6 268 16 001 46 086 58 830 79 619 D D	8 949 18 087 53 092 183 617 258 426 358 543 D D D	5 058 9 877 26 614 117 017 159 885 206 388 D D	14 012 28 078 78 696 298 158 419 213 579 106 D D	'284 '560 '2 392 '7 282 '13 124 '22 405 D D
Administrative records ⁴	9	86	511	23 041	399	790	15 884	50 813	27 661	78 474	^r 1 613

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–11 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

¹Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

size classes shown.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or		All	All em	ployees	Production workers				Total	Total	Total capital
product class code	Industry or primary product class	estab- lish- ments ¹	Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	cost of materials (\$1,000)	value of shipments (\$1,000)	expendi- tures (\$1,000)
333612	Speed changer, industrial high-speed drive, and gear manufacturing	240	13 227	547 167	9 189	17 588	327 107	1 261 474	762 303	2 036 895	¹ 59 495
3336123 3336127	Gears	80	4 116	179 833	2 978	6 030	111 637	358 553	166 614	525 617	r19 224
5555127	speed drives	74	8 595	344 091	5 807	10 761	199 437	852 159	568 034	1 432 861	r38 658

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Products Statistics: 2002 and 1997 Table 6a.

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Draduat		Number of companies with		Product	shipments
Product code	Product	shipments of \$100,000 or more	Quantity of production for all purposes	Quantity	Value (\$1,000)
333612	Speed changer, industrial high-speed drive, and gear manufacturing	N N	X	X	1 949 009 2 434 918
3336123	Gears	N N	X X	X X X	583 425 688 065
33361231	Gears, pinions, racks, and worms, sold separately	N N	X	X	583 425 680 528
3336123111	Loose gears, coarse pitch (diametral pitch less than 20), helical and spur (and herringbone), diameter 24 in. (60.96 cm) or less, hard finished	52 64	X	××	159 089 132 440
3336123113	Loose gears, coarse pitch (diametral pitch less than 20), helical and spur (and herringbone), diameter 24 in. (60.96 cm) or less, other than hard finished	45	х	X	86 649
3336123116	Loose gears, coarse pitch (diametral pitch less than 20), helical and spur (and herringbone), diameter more than 24 in. (60.96 cm), up through 72 in. (182.88 cm)	38	X	X	66 569 52 839
3336123118	Loose gears, coarse pitch (diametral pitch less than 20), helical and spur (and herringbone), diameter more than 72 in. (182.88 cm)	30	X	x	56 285 15 138
3336123125	Coarse nitch (diametral nitch loss than 20) warms and	16	x	x	38 524
	worm gearing, sold separately	31 39	X X	X X	48 801 42 360
3336123135	Loose gears, coarse pitch (diametral pitch less than 20), bevel (straight, spiral, and other)	26 38	X	X	91 058 74 263
3336123146	All other miscellaneous loose gearing, coarse pitch (diametral pitch less than 20), including racks	25	X	X	74 203 31 739
3336123153	Loose gears, fine pitch (diametral pitch 20 or more), helical	26	Х	×	133 076
3336123155	and spur (and herringbone)	33 38	X X	X	60 690 88 369
3330123133	gearing, sold separately	17 16	X	X	6 596 7 006
3336123157	All other miscellaneous loose gearing, fine pitch (diametral pitch 20 or more), including bevel gears and racks	20 27	X	x	30 826 41 636
3336123Y	Gears, nsk	N N N	X X X	ĺ	41 636 - 7 537
3336123YWV	Gears, nsk	N N	X X	X X X X X	7 537 - 7 537
3336127	Speed changers and industrial high-speed drives	N N	X	X	1 289 416 1 544 834
33361271	Worm speed reducers	N	X	X X X	192 907
3336127114	Worm speed reducers, single reduction, center distance less than 3 in. (7.62 cm), with C-face, flange, or scoop mount	N 10	X	X	254 269 72 832
3336127116	Worm speed reducers, single reduction, center distance less than 3 in. (7.62 cm), without C-face, flange, or scoop mount	11	X		87 825 31 418
3336127118	Worm speed reducers, single reduction, center distance 3	8	Х	X	37 753
3336127121	in. (7.62 cm) or more	10 13	X	X	68 426 103 600
	worm or helical/worm)	8 7	X X	X X	20 231 25 091
33361272	Right angle worm gearmotors (enclosed right angle worm gear drive in common support with an electric motor, having an exclusive and dependent, or interrelated, design)	N	X	X	D
3336127225	Right angle worm gearmotors (enclosed right angle worm gear drive in common support with an electric motor, having an exclusive and dependent, or interrelated,	N	X		99 082
3336127226	design), less than 1 hp (746 watts)	6 9	X	X	17 954 47 524
	having an exclusive and dependent, or interrelated, design), at least 1 hp (746 watts)	5 9	X X	X X	D 51 558
33361273	Replacement parts for worm gear products (except for worms and worm gears)	N	Х	X	25 222
3336127329	Replacement parts for worm gear products (except for worms and worm gears)	N 9	X		23 550 25 222
33361274	Planetary, cycloidal, epicyclic, chain, cam, and allied concentric and parallel shaft speed reducers, motor-reducers, and gearmotor products (including parts)	11 N	X	X	23 550 444 410
3336127437	Enclosed concentric and parallel (planetary, cycloid, epicyclic, etc.) shaft speed reducers and motor-reducers, center distance 6 in. (15.24 cm) or less	10 10	x x	X	532 473
3336127438	Enclosed concentric and parallel (planetary, cycloid, epicyclic, etc.) shaft speed reducers and motor-reducers.	16	Х	X	94 923 53 578
3336127441	center distance greater than 6 in. (15.24 cm)	13 12	X	X	51 275 46 211
	watts)	9 12	X X	X X	76 817 144 791

See footnotes at end of table.

Products Statistics: 2002 and 1997—Con.

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product		Number of companies with		Product	shipments
code	Product	shipments of \$100,000 or more	Quantity of production for all purposes	Quantity	Value (\$1,000)
333612	Speed changer, industrial high-speed drive, and gear manufacturing—Con.				
3336127 33361274	Speed changers and industrial high-speed drives—Con. Planetary, cycloidal, epicyclic, chain, cam, and allied concentric and parallel shaft speed reducers, motor- reducers, and gearmotor products (including parts)—Con				
3336127443	reducers, and gearmotor products (including parts) — Con. Concentric and parallel (planetary, cycloid, epicyclic, etc.) gearmotors (shaft motor-reducers), at least 1 hp (746 watts) up through 5 hp (3.73 kW)	8	X	X X	53 879
3336127445	Concentric and parallel (planetary, cycloid, epicyclic, etc.) gearmotors (shaft motor-reducers), more than 5 hp (3.73 kW), up through 20 hp (14.9 kW)	5	x x	X X X	32 297 14 544
3336127447	Concentric and parallel (planetary, cycloid, epicyclic, etc.) gearmotors (shaft motor-reducers), more than 20 hp (14.9 kW)	3	X X		
333612744G	Planetary, cycloidal, epicyclic, chain, and cam reducers and gearmotors	5	x x	X X	127 657
333612744R	Replacement parts for concentric and parallel shaft speed	14	X	X	225 271
33361275	planetaries, cycloids, and allied products	12 12	X X	X	12 136
3336127553	(including parts)	N N	X	X	113 001 154 156
3336127555	maximum bore of hollow shaft 2.756 in. (70 mm) or less in diameter	7 8	X X	X	46 932 55 578
3330127333	maximum bore of hollow shaft more than 2.756 in. (70 mm) in diameter	11 14	×	X X	61 530 90 338
3336127559	Replacement parts for shaft-mounted speed reducers and screw conveyor drives	5 8	×	X	4 539 8 240
33361276	Industrial high-speed drives, fixed ratio (pitch line velocity of 5,000 feet (1,525 meters) per minute or more)	N N	×	X	D 34 295
3336127666	Industrial high-speed drives, fixed ratio (pitch line velocity of 5,000 feet (1,525 meters) per minute or more)	5 9	X X	X X	D 34 295
33361277	Offset parallel shaft and right angle speed reducers, except parts	N N	×	X	256 947 228 973
3336127771	Offset parallel shaft speed reducers (including helical, herringbone, and spur), low-speed center 15 in. (38.10 cm) or less	12 12	×	××	29 548 101 704
3336127773	Offset parallel shaft speed reducers (including helical, herringbone, and spur), low-speed center more than 15 in. (38.10 cm)	9	x	××	19 842
3336127776	Right angle, single reduction speed reducers, other than worm	9	X X	X X X	60 717 207 557
33361278	Replacement parts for offset parallel and right angle speed reducers	11 N	×	X X X	66 552 24 175
3336127879	Replacement parts for offset parallel and right angle speed reducers	13 9	X X X	×	31 052 24 175 31 052
33361279	Mechanical adjustable speed drives (nonhydraulic variable speed changers), excluding parts	N N	×	×	41 650 50 854
3336127983	Mechanical adjustable speed drives (nonhydraulic variable speed changers), excluding parts	12 14	×	X	41 650 50 854
3336127A	Parts for mechanical adjustable speed drives (nonhydraulic variable speed changers)	N N	X X	X	6 502 15 469
3336127A88	Parts for mechanical adjustable speed drives (nonhydraulic variable speed changers)	4 6	×	X	6 502 15 469
3336127B	All other miscellaneous geared speed changers, industrial high-speed drives, and mechanical variable speed drives (gearboxes and allied products) (including parts)	N	X	X	88 806
3336127B99	All other miscellaneous geared speed changers, industrial high-speed drives, and mechanical variable speed drives (gearboxes and allied products) (including parts)	N 28	X X		119 134 88 806
3336127Y	1997 Speed changers and industrial high-speed drives, nsk	29 N	X	X	119 134
3336127YWV	Speed changers and industrial high-speed drives, nsk	N N N	X X X	X X X X X	1 527 - 1 527
333612W	Speed changer, industrial high-speed drive, and gear manufacturing, nsk, total	N	×	X	76 168
333612WY	Speed changer, industrial high-speed drive, and gear manufacturing, nsk, total	N N N	X X X	X X X	202 019 76 168 202 019
333612WYWW	Speed changer, industrial high-speed drive, and gear manufacturing, nsk, for nonadministrative-record establishments	N N			202 019
	establishments	N N	X	X	136 630

See footnotes at end of table.

Table 6a. Products Statistics: 2002 and 1997—Con.

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

		Number of		Product shipments		
Product code	Product	companies with shipments of \$100,000 or more	Quantity of production for all purposes	Quantity	Value (\$1,000)	
333612	Speed changer, industrial high-speed drive, and gear					
333612W	manufacturing—Con. Speed changer, industrial high-speed drive, and gear					
333612WY	manufacturing, nsk, total—Con. Speed changer, industrial high-speed drive, and gear					
333612WYWY	manufacturing, nsk, total—Čon. Speed changer, industrial high-speed drive, and gear					
	manufacturing, nsk, for administrative-record establishments	N N	X	X	76 168 65 389	

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Product Class Shipments for Selected States: 2002 and 1997

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3336123	Gears	
	United States. 2002. Indiana 1997. Indiana 2002. Missouri 1997. New Jersey 2002. Texas 2002. Wisconsin 1997. United States 2002. 1997.	583 425 688 065 70 843 N 8 981 8 942 10 884 17 151 14 796 N 46 584 59 818
3336127	Speed changers and industrial high-speed drives	
	United States. 2002. Indiana 1997 Missouri 2002. New Jersey 2002. Pennsylvania 1997. Texas 1997. Virginia 2002. Wisconsin 1997. 1997. 1997. 1997. 1997.	1 289 416 1 544 834 122 090 158 035 97 652 89 997 31 329 31 905 15 229 68 863 100 005 106 909 97 424 N 164 658

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
333612	Speed changer, industrial high-speed drive, and gear manufacturing		
00900001	Total materials	X	616 517
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X X X X	794 916 13 653
33200095	Other fabricated metal products (excluding castings and forgings)	X X X	19 970 12 464 37 765
33211103	Cold iron and steel forgings	X	13 796 23 960
33211111	Other iron and steel forgings	Ŷ	31 228
33211201	Nonferrous forgings	x x x x x	65 620 4 812 6 149
33151001	Iron and steel castings (rough and semifinished)	×	56 593 80 934
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	ŷ	15 319 24 076
33120007	Steel bars, bar shapes, and plate (excluding castings, forgings, and fabricated metal products)	X X X X X	42 337 88 629
33120016	Steel sheet and strip (including tinplate)	X	D N
33120033	All other steel shapes and forms (excluding castings, forgings, and fabricated metal products)	X X X	12 752
33142111	Copper and copper-base alloy shapes and forms (excluding castings, forgings, and fabricated		40 740
	metal products)	X X	6 023 12 314
33100067	All other nonferrous shapes and forms (excluding castings, forgings, and fabricated metal products)	Х	3 079
00190060	Scrap, including iron, steel, aluminum and aluminum-base alloy (excluding home scrap)	X X	N 2 145
33299105	Ball bearings (mounted or unmounted)	X X X X X	3 487 9 667 21 528
33299103	Roller bearings (mounted or unmounted)	Х	22 684
33299107	Balls, rollers, cages, collars, races, and other antifriction bearing components and parts	X	41 914 8 221
33361305	Clutches, couplings, shafts, sprockets, and other mechanical power transmission equipment	X X X X X	6 021 84 067 77 653
33531207	Electric motors, generators, and parts	X	29 104 87 441
32221001	Paperboard containers, boxes, and corrugated paperboard	â	8 818
32791001	Grinding wheels and other abrasive products, excluding industrial diamonds	X X X X X	6 419 2 149 2 858
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	6 110 12 423
33510000	Special dies, tools, die sets, jigs, and fixtures (excluding cutting tools for machine tools)	ŝ	12 423 D 7 685
00970099	All other materials and components, parts, containers, and supplies	X	107 129
00971000	Materials, ingredients, containers, and supplies, nsk	x x x x x x x	69 271 123 433 58 059

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.